



Minnesota Amateur Radio Technical Society

<http://www.mn-arts.org/>

December 2019 Edition

December Meeting Minutes

Russ Ramirez, K0WFS, called the meeting to order at 1 PM. 16 were in attendance.

- Introductions were made around the table.
- The October 2019 Minutes were approved.

Old Business:

Elections were held for President and Secretary. Russ Ramirez and Bede Willenbring ran unopposed and were unanimously elected.

Meeting room rent for the upcoming year was discussed. The room will cost \$10/hour in 2020. The group agreed on this arrangement.

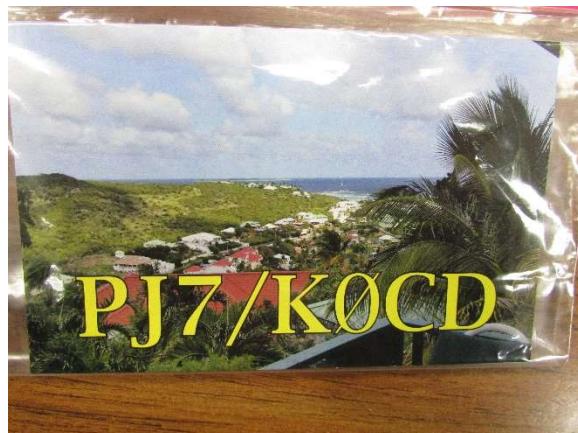
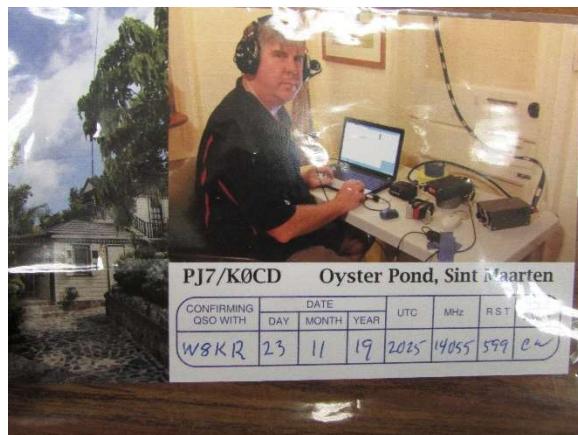
Russ, K0WFS, discussed the results from the recent survey.

New Business:

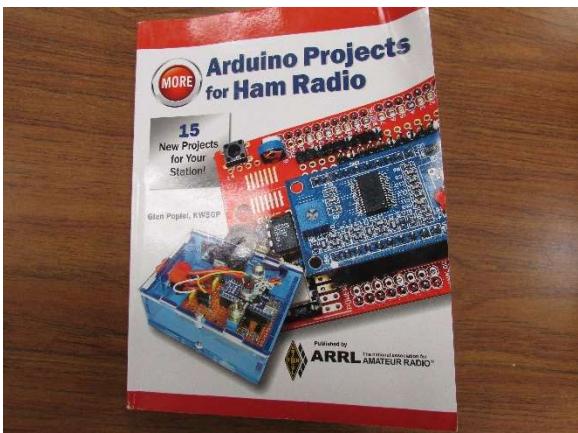
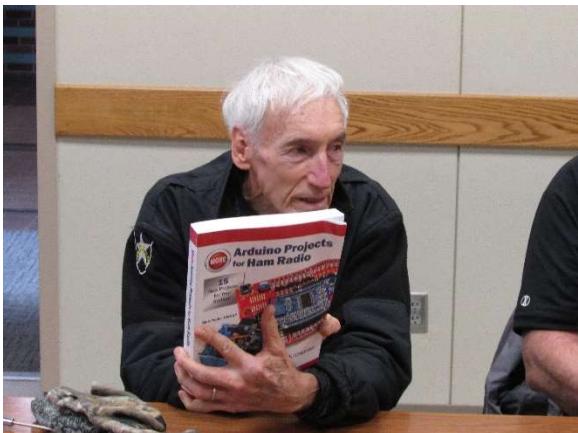
No new business was discussed.

Show and Tell:

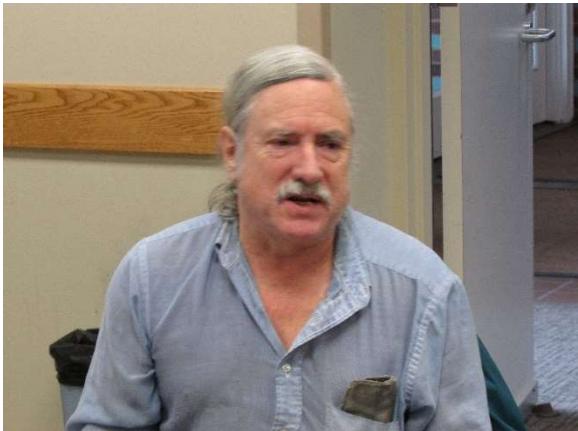
Phil Schweitzer, K0CD, told us about his activity on Sint Maarten. Operating CW QRP on 20 meters he contacted 65 countries. He brought in a QSL card used during the operating event.



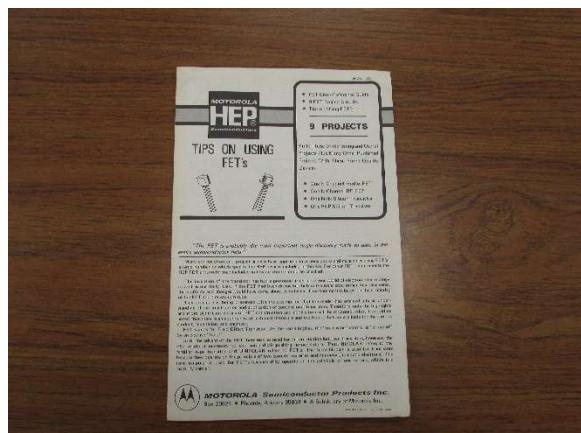
John Krawczak, KJ0P, shared an Arduino project book for ham radio. He also brought in a self contained microscope which can take still and moving images. He purchased it on Amazon for about \$55. John did change the base to reduce glare. The microscope worked very well. John also brought in a tri-band antenna from Anytone that works with his DMR. It covers 144/220 & 440 MHz. He also showed us the mount he made for the power meter recently constructed at the build-a-thon.



Tim Burd, WD9IGX, showed us a Collins permeably tuned oscillator. He described some of the challenges he encountered using it.



Bob Shaw, KD0JZM, brought in an assortment of capacitors for anyone that might be able to use them. He also showed us a copy of an older Motorola HEP booklet and an issue of Nuts & Volts.



Steve Ulrich, NW0C, brought in a function generator he recently bought to replace an old one. He reports that it works quite well and is so far pleased with it. The generator also has a fairly accurate frequency counter and generates sine waves up to 60 MHz. He purchased it from Ali Express.



Club Officers:

*President: Russ Ramirez/K0WFS
Vice Pres: Jeremy Mooney/KC0LDI
Secretary: Steve Ulrich/NW0C
Treasurer: Paul Bushouse/N0TYE
At Large: Bob Liesenfeld/WB0POQ*

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